

## VII. ABSTRACT

A gas to liquid converter to convert liquids (1) to gas (2) that can include a liquid pressurization element (3), a liquid preheating element (5), and a nozzle (10) to disperse  
5 liquids into energy (7) generated by an energy source (8). The gas to liquid converter can be located inside an enclosure (17) and substances dissolved in the liquid can accumulate as solids (13) on deposition surface (12) of the enclosure as the liquid (1) converts to gas (2). Condensation of a portion of the gas (2) generated can be combined with the solids (13) for continuous removal of such solids (13) from the enclosure (17). A gas expansion  
10 compensator can generate a pressure gradient (24) to move the volume of gas generated from the liquid from the enclosure (17).